



PHILIP MORRIS PRODUCTS, INC.

BRAZIL TEST #212

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BRAZIL TEST #212

Seven cigarette brands of August production were received from Brazil (Curitiba) on September 14, 1992.

The current L & M Lights Long Size and Marlboro Lights Long Size cigarettes were not different from their respective previous averages in any of the characteristics tested.

MANUFACTURER

PHILIP MORRIS

	<u>L & M Lights</u>		<u>Marlboro Lights</u>	
	<u>Long Size 20's (Box)</u>		<u>Long Size 20's (Box)</u>	
	<u>Current</u>	<u>Previous</u>	<u>Current</u>	<u>Previous</u>
<u>Smoke</u>				
Butt Length, mm	33.0	33.0	30.0	30.0
FTC Tar, mg/cigt.	10.0	10.2	11.2	11.3
Nicotine, mg/cigt.	0.87	0.94	1.02	1.12
Puffs/Cigt.	7.0	7.0	7.6	7.5
<u>Cigarette</u>				
Total RTD, mm of H ₂ O	116	115	121	115
Length, mm	80.7	80.3	80.5	80.3
Circumference, mm	24.7	24.7	24.4	24.4 ¹
<u>Paper</u>				
Permeability, ml/cm ² x min.	47	47	46	45
<u>Filter</u>				
RTD, mm of H ₂ O	78	82	81	83
Length, mm	20.0	20.0	19.9	20.0
Tipping Paper Length, mm	30.0	30.0	27.0	27.0
Tipping Paper Color	White	White	White	White
Ventilation, %	17	19	20	21
<u>Filler</u>				
Total Alkaloids, % (DWB)	2.25	2.23	2.37	2.43
Total Red. Sugars, % (DWB)	7.5	7.0	7.4	6.4
Wt. of Tob., g (12.5% OV)	0.694	0.665	0.701	0.691
Rod Length, mm	60.7	60.4	60.6	60.4
Rod Density, g/cc	0.236	0.228	0.244	0.242
Oven Volatiles, % (Equil.)	13.2	13.1	13.0	12.9

¹Results from Test #211, dated 10/8/92, where a change was noted.

BRAZIL TEST #212

The current Parliament Long Size and Marlboro Long Size cigarettes were not different from their respective previous averages in any of the characteristics tested.

MANUFACTURER

PHILIP MORRIS

	<u>Parliament Long</u>		<u>Marlboro Long</u>		
	<u>Size 20's (Box)</u>		<u>Size 20's (Box)</u>		
	<u>Current</u>	<u>Previous</u>	<u>Current</u>	<u>Previous</u>	<u>U.S.¹</u>
<u>Smoke</u>					
Butt Length, mm	30.0	30.0	27.0	27.0	26.0
FTC Tar, mg/cigt.	14.5	14.1	15.4	15.4	15.9
Nicotine, mg/cigt.	1.14	1.16	1.32	1.42	1.16
Puffs/Cigt.	6.8	7.1	7.5	7.7	8.7
<u>Cigarette</u>					
Total RTD, mm of H ₂ O	122	118	119	114	109
Length, mm	80.0	80.1	80.5	80.4	79.4
Circumference, mm	24.8	24.6	24.7	24.6	25.0
<u>Paper</u>					
Permeability, ml/cm ² x min.	48	47	39	46	29
<u>Filter</u>					
RTD, mm of H ₂ O	70	69	69	67	68
Length, mm	19.9	19.9	19.9	19.9	18.8
Tipping Paper Length, mm	27.0	27.0	24.0	24.0	23.0
Tipping Paper Color	White	White	Cork	Cork	Cork
Ventilation, %	None	None	None	None	14
<u>Filler</u>					
Total Alkaloids, % (DWB)	2.33	2.24	2.52	2.48	1.91
Total Red. Sugars, % (DWB)	6.7	5.4	7.2	6.7	6.4
Wt. of Tob., g (12.5% OV)	0.682	0.673	0.690	0.696	0.706
Rod Length, mm	60.8	60.2	60.6	60.5	60.6
Rod Density, g/cc	0.230	0.233	0.235	0.238	0.235
Oven Volatiles, % (Equil.)	12.9	12.9	12.9	12.8	13.5

¹Data From C.I. No. 9/92.

BRAZIL TEST #212

A higher total RTD was observed for the current Marlboro King Size cigarettes.

The current Benson & Hedges 100 cigarettes were not different from the previous average in any of the characteristics tested.

MANUFACTURER

PHILIP MORRIS

	<u>Marlboro King</u>			<u>Benson & Hedges</u>		
	<u>Size 20's (SP)</u>			<u>100 20's (SP)</u>		
	<u>Current</u>	<u>Previous</u>	<u>U.S.¹</u>	<u>Current</u>	<u>Previous</u>	<u>U.S.¹</u>
<u>Smoke</u>						
Butt Length, mm	27.0	27.0	28.0	35.0	35.0	35.0
FTC Tar, mg/cigt.	16.8	16.1	14.9	14.6	15.2	15.4
Nicotine, mg/cigt.	1.42	1.49	1.13	1.25	1.35	1.22
Puffs/Cigt.	8.4	8.2	8.9	9.1	9.1	10.5
<u>Cigarette</u>						
Total RTD, mm of H ₂ O	129	117	108	139	131	114
Length, mm	84.2	84.2	84.2	98.6	98.8	99.7
Circumference, mm	24.5	24.5	24.9	24.6	24.7	24.9
<u>Paper</u>						
Permeability, ml/cm ² x min.	47	46	44	43	45	32
<u>Filter</u>						
RTD, mm of H ₂ O	67	66	68	71	67	73
Length, mm	20.0	20.0	20.9	19.9	19.8	27.3
Tipping Paper Length, mm	24.0	24.0	25.0	32.0	32.0	32.0
Tipping Paper Color	Cork	Cork	Cork	White	White	White
Ventilation, %	None	None	15	None	None	17
<u>Filler</u>						
Total Alkaloids, % (DWB)	2.48	2.52	1.90	2.29	2.28	1.96
Total Red. Sugars, % (DWB)	7.4	6.9	6.8	7.1	6.2	7.4
Wt. of Tob., g (12.5% OV)	0.746	0.743	0.743	0.910	0.909	0.849
Rod Length, mm	64.1	64.1	63.3	78.7	79.0	72.4
Rod Density, g/cc	0.244	0.243	0.237	0.241	0.237	0.237
Oven Volatiles, % (Equil.)	13.0	13.0	13.6	12.7	12.7	13.7

¹Data From C.I. No. 9/92.

BRAZIL TEST #212

A higher total RTD was observed for the current Benson & Hedges 100 Menthol cigarettes, returning to the level reported prior to Test #211.

MANUFACTURER

PHILIP MORRIS

Benson & Hedges
100 Menthol 20's (SP)

	<u>Current</u>	<u>Previous</u>	<u>U.S.¹</u>
<u>Smoke</u>			
Butt Length, mm	35.0	35.0	35.0
FTC Tar, mg/cigt.	15.0	15.3	14.7
Nicotine, mg/cigt.	1.21	1.34	1.13
Puffs/Cigt.	9.2	9.1	9.7
<u>Cigarette</u>			
Total RTD, mm of H ₂ O	134	122 ²	115
Length, mm	98.4	98.9	99.8
Circumference, mm	24.6	24.7	24.9
<u>Paper</u>			
Permeability, ml/cm ² x min.	41	48	47
<u>Filter</u>			
RTD, mm of H ₂ O	66	69	74
Length, mm	19.9	20.0	27.1
Tipping Paper Length, mm	32.0	32.0	32.0
Tipping Paper Color	White	White	White
Ventilation, %	None	None	16
<u>Filler</u>			
Total Alkaloids, % (DWB)	2.21	2.25	1.92
Total Red. Sugars, % (DWB)	6.7	6.2	7.3
Wt. of Tob., g (12.5% OV)	0.878	0.907	0.859
Rod Length, mm	78.5	78.9	72.7
Rod Density, g/cc	0.232	0.238	0.239
Oven Volatiles, % (Equil.)	12.8	12.8	14.1
<u>Menthol, mg/cigt.</u>			
Smoke	0.40	0.42	0.66
Filler	2.0	2.0	3.1
Filter	0.7	0.7	1.8

¹Data From C.I. No. 9/92.

²Results from Test #211, dated 10/8/92, where a change was noted.